PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220						
JTSB-717-PCT	ACTION as well	as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)						
PCT/JP2006/303523	21/02/2006 13/06/2005							
Applicant								
KABUSHIKI KAISHA TOSHIBA								
This international search report has been according to Article 18. A copy is being tra	prepared by this International Searching Auth ansmitted to the International Bureau.	ority and is transmitted to the applicant						
This international search report consists of	This international search report consists of a total of4 sheets.							
It is also accompanied by a copy of each prior art document cited in this report.								
Basis of the report a. With regard to the language, the	international search was carried out on the ba	sis of:						
X the international a								
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))								
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.								
2. Certain claims were fou	nd unsearchable (See Box No. II)	,						
3. Unity of invention is lac	3. Unity of invention is lacking (see Box No III)							
4. With regard to the title,								
X the text is approved as su	bmitted by the applicant							
the text has been establis	the text has been established by this Authority to read as follows:							
		·						
5. With regard to the abstract,		•						
X the text is approved as su	ibmitted by the applicant							
	shed, according to Rule 38.2(b), by this Author	ity as it appears in Box No. IV. The applicant						
	om the date of mailing of this international sea							
6. With regard to the drawings,								
a. the figure of the drawings to be published with the abstract is Figure No. <u>16</u>								
as suggested by	the applicant							
	s Authority, because the applicant failed to su							
	s Authority, because this figure better charact	erizes the invention						
b. none of the figures is to b	e published with the abstract							

INTERNATIONAL SEARCH REPORT

In atlonal application No Pull/JP2006/303523

Pur/JP2006/303523 A. CLASSIFICATION OF SUBJECT MATTER INV. H01L33/00 H01S5 H01L29/45 H01L21/285 H01S5/042 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) HO1L HO1S Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1,4-9, EP 1 450 414 A (NICHIA CORPORATION) X 11-1325 August 2004 (2004-08-25) 15,17-19 paragraphs [0017] - [0025] 1,4-9,WO 2004/047189 A (LG INNOTEK CO) χ 11-13,3 June 2004 (2004-06-03) 15.17-19 page 18, line 11 - page 22, line 24 1,4-9, US 6 586 328 B1 (ADESIDA I ET AL) χ 11-13, 1 July 2003 (2003-07-01) 15,17-19 column 2, line 41 - column 3, line 59 See patent family annex. Further documents are listed in the continuation of Box C. *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the investion. Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 18/07/2006 11 July 2006

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INTERNATIONAL SEARCH REPORT

In ational application No
PUΓ/JP2006/303523

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